1/7 FIG. 1A

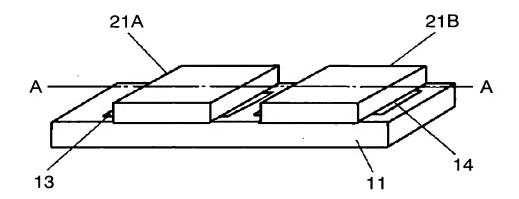
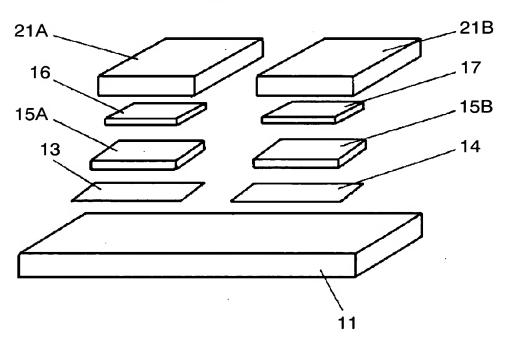


FIG. 1B



<sup>2/7</sup> FIG. 2

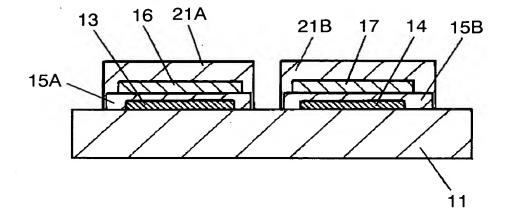
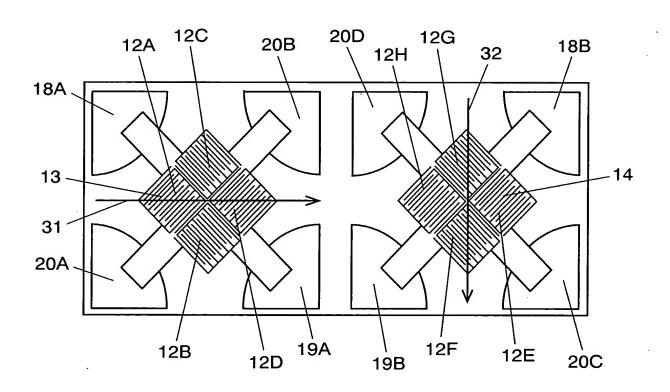


FIG. 3



<sup>3/7</sup> FIG. 4

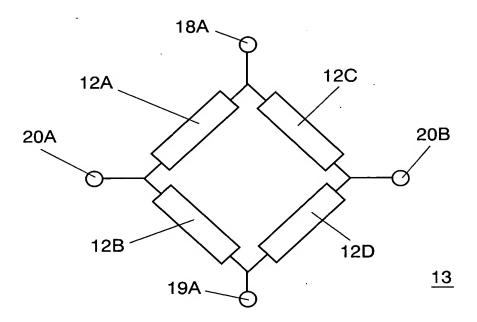
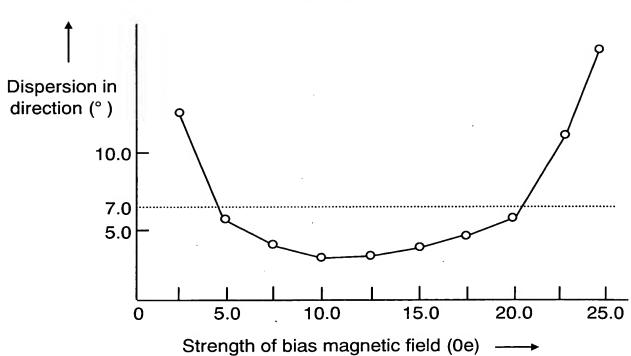


FIG. 5



4/7 FIG. 6

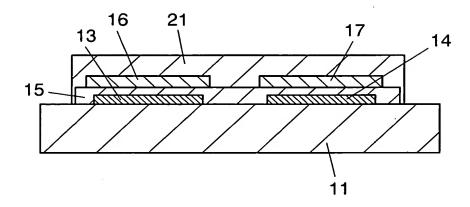
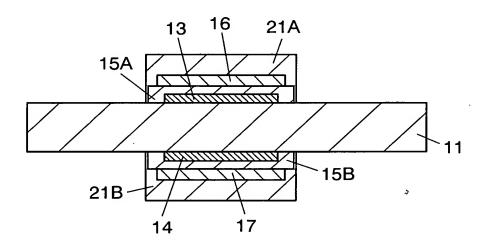


FIG. 7



<sup>5/7</sup> FIG. 8

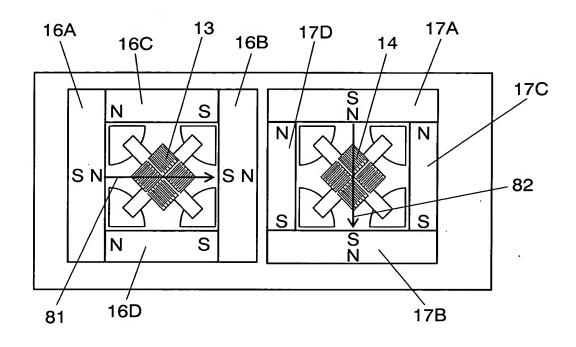
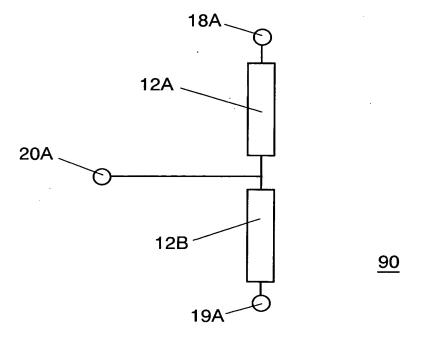


FIG. 9



<sup>6/7</sup> FIG. 10A

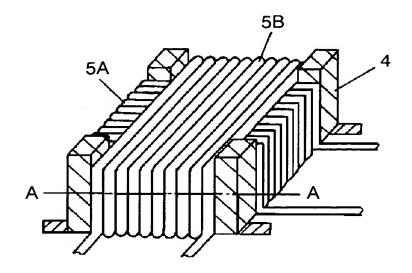
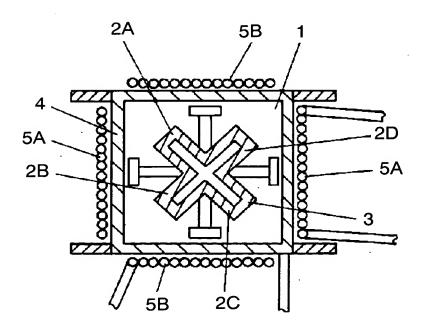


FIG. 10B



Reference marks in the drawings.

- 1. Substrate
- 2A, 2B, 2C, 2D. Detecting element
- 3. Bridge circuit
- 4. Holder
- 5A. First coil
- 5B. Second coil
- 11. Substrate
- 12A. Firest detecting element
- 12B. Second detecting element
- 12C. Third detecting element
- 12D. Fourth detecting element
- 12E. Fifth detecting element
- 12F. Sixth detecting element
- 12G. Seventh detecting element
- 12H. Eighth detecting element
- 13. First bridge circuit
- 14. Second bridge circuit
- 15, 15A, 15B. Insulating layer
- 16. First magnetic bias application part
- 16A, 16B, 16C, 16D. Magnetic bias application part
- 17. Second magnetic bias application part
- 17A, 17B, 17C, 17D. Magnetic bias application part
- 18A, 18B. Input electrode
- 19A, 19B. Ground electrode
- 20A. First output electrode
- 20B/ Second output electrode
- 20C. Third output electrode
- 20D. Fourth output electrode
- 21, 21A, 21B. Cover layer
- 31, 81. Magnetic field direction of first magnetic bias application part
- 32, 82. Magnetic field direction of second magnetic bias application part
- 90. First detecting circuit